

# Hagerstown Community College Master Syllabus

## IST 150: PC Tech/Repair and Troubleshooting

### Course Information

Course #: IST 150 PC Tech/Repair and Troubleshooting  
3 Credits  
Semester Year: Fall 2018

### Instructor Information

### Course Description

This course teaches the skills needed to be a successful computer technician and help to prepare students for CompTIA's Certification exams. This hands-on class teaches the techniques needed to diagnose hardware problems, configure PC components, and replace defective computer parts. Students learn how to install boards, configure multiple hard drives, add peripheral devices, configure network connectivity, solve basic printer problems, and modify CMOS settings. Diagnostic software and hardware procedures are included. Laboratory fee required. Prerequisite: IST 102 or consent of instructor. Semesters offered: Fall (day and evening); Spring (day and evening). 3 Credits

### Textbook and Course Materials

Complete CompTIA A+ Guide w/Software, Schmidt, 2017. Pearson. (ISBN 9780789757548)

### Required Tools

4GB (MINIMUM) USB drive (reserved for this class); computer repair toolkit

### Student Learning Outcomes

- *Students will be able to assemble, setup, and upgrade personal computer systems and mobile devices including netbooks and tablets*
- *Students will be able to diagnose, isolate faulty components using critical thinking skills*
- *Students will demonstrate customer service, troubleshooting and preventative maintenance skills*
- *Students will be able to prepare for certification*

**Services for students with disabilities:** Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at [dss@hagerstowncc.edu](mailto:dss@hagerstowncc.edu) or at 240-500-2530.